

**Directions:**

Evaluate the student by checking the appropriate number or letter to indicate the degree of competency. The rating for each task should reflect **employability readiness** rather than the grades given in class.

**Rating Scale:**

- 3 Mastered** – can work independently with no supervision  
**2 Requires Supervision** – can perform job completely with limited supervision  
**1 Not Mastered** – requires instruction and close supervision  
**N No Exposure** – no experience or knowledge in this area

NOTE: The code in parentheses is the competency identification number used in computerized management systems.

| 3 | 2 | 1 | N |   |
|---|---|---|---|---|
|   |   |   |   | The student has mastered the related competencies of Agricultural Science I and II. |

| 3 | 2 | 1 | N | <b>A. Issues in Animal Agriculture</b>                                      | <b>Notes:</b> |
|---|---|---|---|---|---------------|
|   |   |   |   | 1. Identify current and future issues relating to animal agriculture (A001) |               |
|   |   |   |   | Other:  |               |

| 3 | 2 | 1 | N | <b>B. Enterprises</b>   | <b>Notes:</b> |
|---|---|---|---|---|---------------|
|   |   |   |   | 1. Describe the importance of the livestock industry in Missouri (B001) |               |
|   |   |   |   | 2. Select a beef enterprise based on available resources (B002)         |               |
|   |   |   |   | 3. Select a dairy enterprise based on available resources (B003)        |               |
|   |   |   |   | 4. Select a swine operation based on available resources (B004)         |               |
|   |   |   |   | 5. Select a sheep enterprise based on available resources (B005)        |               |
|   |   |   |   | 6. Select a horse enterprise based on available resources (B006)        |               |
|   |   |   |   | 7. Select a poultry enterprise based on available resources (B007)      |               |
|   |   |   |   | Other:  |               |

| 3 | 2 | 1 | N | <b>C. Selection</b>  | <b>Notes:</b> |
|---|---|---|---|--|---------------|
|   |   |   |   | 1. Use correct terminology for each species (C001)             |               |
|   |   |   |   | 2. Identify factors in livestock and poultry production (C002) |               |
|   |   |   |   | 3. Select beef animals for production and breeding (C003)      |               |
|   |   |   |   | 4. Select dairy animals for production and breeding (C004)     |               |
|   |   |   |   | 5. Select swine for production and breeding (C005)             |               |
|   |   |   |   | 6. Select sheep for production and breeding (C006)             |               |
|   |   |   |   | 7. Select horses for performance and breeding (C007)           |               |
|   |   |   |   | 8. Select poultry for production and breeding (C008)           |               |
|   |   |   |   | Other:   |               |

| 3 | 2 | 1 | N | D. Breeding  | Notes: |
|---|---|---|---|--|--------|
|   |   |   |   | 1. Select and develop a breeding system for a livestock enterprise (D001)                          |        |
|   |   |   |   | 2. Select a mating system for a livestock enterprise (D002)  |        |
|   |   |   |   | 3. Discuss the steps to be taken to ensure reproductive efficiency in beef and dairy cattle (D003) |        |
|   |   |   |   | 4. Discuss the steps to be taken to ensure reproductive efficiency in swine (D004)                 |        |
|   |   |   |   | 5. Discuss the steps to be taken to ensure reproductive efficiency in sheep (D005)                 |        |
|   |   |   |   | 6. Discuss the steps to be taken to ensure reproductive efficiency in horses (D006)                |        |
|   |   |   |   | 7. Discuss the steps to be taken to ensure reproductive efficiency in poultry (D007)               |        |
|   |   |   |   | Other:   |        |

| 3 | 2 | 1 | N | E. Parturition   | Notes: |
|---|---|---|---|--|--------|
|   |   |   |   | 1. Develop and practice production management strategies for parturition of beef and dairy cattle (E001) |        |
|   |   |   |   | 2. Create and implement production strategies for parturition in swine (E002)                            |        |
|   |   |   |   | 3. Create and implement production strategies for parturition in sheep (E003)                            |        |
|   |   |   |   | 4. Create and implement production strategies for parturition of horses (E004)                           |        |
|   |   |   |   | 5. Create and implement production strategies for incubation and hatching management in poultry (E005)   |        |
|   |   |   |   | Other:   |        |

| 3 | 2 | 1 | N | F. Animal Health  | Notes: |
|---|---|---|---|---|--------|
|   |   |   |   | 1. Identify common problems associated with beef and dairy herd health (F001) |        |
|   |   |   |   | 2. Develop a health plan for beef and dairy cattle (F002)                     |        |
|   |   |   |   | 3. Identify common problems associated with swine herd health (F003)          |        |
|   |   |   |   | 4. Develop a health plan for swine (F004)                                     |        |
|   |   |   |   | 5. Identify problems associated with sheep flock health (F005)                |        |
|   |   |   |   | 6. Develop a flock health plan for sheep (F006)                               |        |
|   |   |   |   | 7. Identify problems associated with horse herd health (F007)                 |        |
|   |   |   |   | 8. Develop a health plan for horses (F008)                                    |        |
|   |   |   |   | 9. Identify common problems associated with poultry flock health (F009)       |        |
|   |   |   |   | 10. Develop a health plan for poultry (F010)                                  |        |
|   |   |   |   | Other:  |        |

| 3 | 2 | 1 | N | <b>G. Facilities and Equipment</b>                 | <b>Notes:</b> |
|---|---|---|---|--|---------------|
|   |   |   |   | 1. Identify facility needs for beef cattle (G001)  |               |
|   |   |   |   | 2. Identify facility needs for dairy cattle (G002) |               |
|   |   |   |   | 3. Identify facility needs for swine (G003)        |               |
|   |   |   |   | 4. Identify facility needs for sheep (G004)        |               |
|   |   |   |   | 5. Identify facility needs for horses (G005)       |               |
|   |   |   |   | 6. Identify facility needs for poultry (G006)      |               |
|   |   |   |   | Other:   |               |

| 3 | 2 | 1 | N | <b>H. Animal Feeding</b>                                     | <b>Notes:</b> |
|---|---|---|---|--|---------------|
|   |   |   |   | 1. Develop a feeding program (H001)                          |               |
|   |   |   |   | 2. Identify feeding options for livestock and poultry (H002) |               |
|   |   |   |   | Other:   |               |

| 3 | 2 | 1 | N | <b>I. Herd/Flock Management</b>  | <b>Notes:</b> |
|---|---|---|---|--|---------------|
|   |   |   |   | 1. Develop and implement management factors for beef cattle from birth to market (I001)            |               |
|   |   |   |   | 2. Develop and implement management factors for beef replacement stock (I002)                      |               |
|   |   |   |   | 3. Develop and implement management practices for beef cows and bulls (I003)                       |               |
|   |   |   |   | 4. Develop and describe management practices for dairy cattle from birth through production (I004) |               |
|   |   |   |   | 5. Develop and implement management practices for market swine from birth to market (I005)         |               |
|   |   |   |   | 6. Make appropriate decisions for the management of swine breeding stock (I006)                    |               |
|   |   |   |   | 7. Develop and describe management practices for market sheep from birth to market (I007)          |               |
|   |   |   |   | 8. Develop and describe management practices for sheep breeding stock (I008)                       |               |
|   |   |   |   | 9. Develop and describe appropriate management practices for horse production (I009)               |               |
|   |   |   |   | 10. Develop and describe appropriate management practices for poultry production (I010)            |               |
|   |   |   |   | Other:   |               |

| 3 | 2 | 1 | N | <b>J. Marketing</b>  | <b>Notes:</b> |
|---|---|---|---|--|---------------|
|   |   |   |   | 1. Select the appropriate marketing option for specific livestock enterprises (J001) |               |
|   |   |   |   | Other:   |               |

|          |          |          |          |   |               |
|----------|----------|----------|----------|---|---------------|
| <b>3</b> | <b>2</b> | <b>1</b> | <b>N</b> | <b>Leadership &amp; Personal Development for Advanced Students</b> (Leadership Duty C)        | <b>Notes:</b> |
|          |          |          |          | 1. Develop a resume and complete a job application (C001)                                     |               |
|          |          |          |          | 2. Develop a plan for finding a job (C002)  |               |
|          |          |          |          | 3. Describe how to apply and interview for a job (C003)                                       |               |
|          |          |          |          | 4. Describe the characteristics needed to develop desirable personal and social skills (C004) |               |
|          |          |          |          | 5. Describe the importance and process of developing better human relationships (C005)        |               |
|          |          |          |          | Other:  |               |

|          |          |          |          |  |               |
|----------|----------|----------|----------|--|---------------|
| <b>3</b> | <b>2</b> | <b>1</b> | <b>N</b> | <b>Using the Missouri Farm Business Record Book</b> (SAE Duty D)                           | <b>Notes:</b> |
|          |          |          |          | 1. Describe the two types of accounting methods (D001)                                     |               |
|          |          |          |          | 2. Complete the forms needed to open the Missouri Farm Business Record Book (D002)         |               |
|          |          |          |          | 3. Develop a projected cash flow (D003)  |               |
|          |          |          |          | 4. Record receipts and expenditures in the Missouri Farm Business Record Book (D004)       |               |
|          |          |          |          | 5. Complete additional records in the Missouri Farm Business Record Book (D005)            |               |
|          |          |          |          | 6. Complete the forms necessary to summarize the Missouri Farm Business Record Book (D006) |               |
|          |          |          |          | 7. Analyze the farm business using the Missouri Farm Business Record Book (D007)           |               |
|          |          |          |          | Other:   |               |